

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002921**Date Inspected:** 27-Oct-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** OBG, TL3N, Sub-Assemblies (OBG) and Off**Bid Item:** 77, 78, 79**Lot No:****Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Kenneth W. Cason Jr. arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections is to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

OBG

L10E, (NOI Number 4707): In preparation for finish coat installation of Interfine 979 Polysiloxane, the external surface of L10E side plate was tested in accordance with SSPC-SP 1 (Surface Cleanliness). Witnessed results were acceptable and met SP 1 requirements. ZPMC proceeded to next check point.

L10W External Bottom Plate, (NOI Number 4708): In preparation for finish coat installation of Interfine 979 Polysiloxane, the external surface of L10W bottom plate was tested in accordance with SSPC-SP 1 (Surface Cleanliness). Witnessed results were acceptable and ZPMC proceeded to next check point.

TL3N Tower External Façade and Tower Shaft End Faying Surface, (NOI Number T1367): In preparation for finish coat installation of Interfine 979 Polysiloxane and in accordance with SSPC-PA 2, Dry Film Thickness (DFT) measurements were recorded for Tower External Façade and Tower Shaft End Faying Surface (faying surfaces will not receive Interfine 979). Witnessed results were acceptable and within limits of 25µm to 125 µm for faying surfaces and 90µm to 150 µm for non-faying surfaces. ZPMC proceeded to next check point.

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Sub-Assemblies (OBG)

SB86E, SB92E, SB94W and SB94E Suspended Bracket, (NOI Number 4709): In preparation for Interzinc 22 undercoat installation, ZPMC and ABF quality control staff conducted visual observations in accordance with SSPC-SP 1 of SB86E, SB92E, SB94W and SB94E Suspender Brackets. ZPMC and ABF QC rejected surface preparation due to numerous edges and weld defects x7 weld repairs required on SB92E, x2 weld repairs on SB94W and x3 weld repairs on SB86E. ZPMC will repair and resubmit for verification prior to coating application.

SB86E, SB92E, SB94W and SB94E Suspended Bracket, (NOI Number 4711): In preparation for Interzinc 22 undercoat installation, ZPMC and ABF quality control staff conducted visual observations in accordance with SSPC-SP 1 of SB86E, SB92E, SB94W and SB94E Suspender Brackets. ZPMC and ABF QC accepted surface preparation after minor re-blast. ZPMC will repair and resubmit for verification prior to coating application.

Office

Attend to report writing and photo documentation.

Note: Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

Inspected By:	Cason,Kenneth
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Quality Assurance Inspector

Reviewed By:	Miller,Mark
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QA Reviewer
